

ABSTRACT

ELECTROCHEMICAL BIOSENSOR AND CHIP FOR SUCH A
BIOSENSOR

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The invention relates to an electrochemical biosensor comprising a first electrode (7) located in a chip (6). The
10 chip (6) can be inserted in a mount (2) comprising: a second electrode (27) opposite the first electrode (7) and means (11, 12) for receiving and retaining the chip (6). On the first electrode is deposited a reactive liquid solution maintained and protected by a semi-permeable membrane (9)
15 which is attached to the first electrode (7) by an O-ring seal (21). In measuring mode the chip (6) containing the reactive liquid solution is inserted in the mount (2) and a drop of sample is deposited on the semi-permeable membrane (9). By capillary action, the liquid sample electrically
20 contacts the two electrodes (7, 27) thereby enabling an electrochemical measurement.